

8. (Amended) A process as claimed in claim 1, wherein at least one of the electrodes used is a composite comprising at least one conventional electrode material and at least one material for a gas diffusion electrode.

10. (Amended) A process as claimed in claim 3, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

11. (Amended) A process as claimed in claim 1, wherein the alkoxyated furan compound (B) produced in step (i) is reacted in step (ii) to form at least one ring-opened butane derivative.

Please add the following new claims:

13. (New) A process as claimed in claim 2, wherein at least one electrode is in contact with at least one hydrogenation catalyst, in particular with a noble metal.

14. (New) A process as claimed in claim 4, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

15. (New) A process as claimed in claim 5, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

16. (New) A process as claimed in claim 6, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

17. (New) A process as claimed in claim 7, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

19. (New) A process as claimed in claim 9, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.

20. (New) A process as claimed in claim 13, wherein the at least one electrode which is in contact with a hydrogenation catalyst is used as cathode or as anode or as cathode and anode.